

ABSTRACT

A first communication device ("FCD") is adapted to communicate with a second communication device. The FCD obtains a first key, encodes an attribute in the FCD with the first key to produce a first encoded value, and transmits the first encoded value to the second communication device. The FCD also receives a second encoded value from the second communication device. The second encoded value comprises an attribute stored in the second communication device that has been encoded with a second key. Further, the FCD encodes the second encoded value with the first key to produce a third encoded value, transmits the third encoded value to the second communication device, and receives a fourth encoded value from the second communication device. The fourth encoded value comprises the first encoded value after being encoded by the second key. The FCD determines whether the third encoded value matches the fourth encoded value.